

JOB NO. 4754
BARGE: TPT-351

DIXIE

HER 02177

HERCULES

MARINE SERVICES CORPORATION

P. O. Drawer O • Freeport, Texas 77541

INVOICE NO. : 3050-95

DATE : July 28, 1995

Job No. : 4754-1

Location : Freeport

TO: Dixie Carriers
2102 Broadway
Houston, TX 77012

PLEASE REMIT PAYMENTS TO:
11011 RICHMOND
SUITE 500
HOUSTON, TX. 77042

PO# BGMG951126

Terms : Net 30

FOR: Service to barge TPT351 as follows:

Set up equipment
Strip out all free product
Blow cargo pipeline and stripping system
Vacuum blow dry cargo tanks
Remove equipment
Close barge

Labor:	Leadman	5.5	@	48.00	\$ 264.00
	Journey	50	@	44.25	2,212.50

Equipment:	Compressor	5	@	44.00	220.00
	Air movers	40	@	5.00	200.00
	Vacuum	4	@	18.00	72.00
	Hand hose	4	@	10.00	40.00
	2" strip pump	1	@	12.00	12.00

Material:	37.70 + 7.54	45.24
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TOTAL AMOUNT DUE \$3,065.74

Arrived: 7/8/95 2:00 p.m.
Completed: 7/8/95 7:30 p.m.
Product: PyGas

PHONE: (409) 233-6371

HER 02178

JOB WORKSCOPE/INSTRUCTIONS

JOB NO: 4754 CUSTOMER: Dixie PARTS: TPT351

TOILET:	S/T	@ 35.00	
	O/T	@ 51.75	
WATER:	S/T	@ 33.50	
	O/T	<u>5.5</u>	@ 40.00
			<u>264.00</u>
HOUSE:	S/T	@ 31.00	
	O/T	<u>50</u>	@ 44.25
			<u>2,212.50</u>

DISPOSAL: _____ gal @ .35 _____

MATERIAL: 37.70 plus 20% 7.54 45.24
 STOCK MATERIAL: _____ PLUS 20% _____

EQUIP:

COMPRESSOR	<u>5</u>	@ 44.00	<u>220.00</u>
AIR MOVING	<u>40</u>	@ 5.00	<u>200.00</u>
FORKLIFT		@ 20.00	
TUGBOAT		@ 80.00	
STEAM RIC		@ 20.00	
VACUUM	<u>4</u>	@ 18.00	<u>72.00</u>
HAND HOSE	<u>4</u>	@ 10.00	<u>40.00</u>
WELDING MACHINE		@ 15.00	
CHERRY PICKER		@ 50.00	
CRANE		@ 100.00	
FLATBED TRUCK		@ 20.00	
3" GAS PUMP		@ 14.00	
2" STEPPING PUMP	<u>1</u>	@ 12.00	<u>12.00</u>
BUTTERFLY		@ 10.00	
4" ELECT PUMP		@ 15.00	
WORK RAMP		@ 35.00	
CUTTING RIC		@ 0.00	
HAUL OUT		@ 1100.00 / day	

ARRIVED: _____ COMPLETED: _____ DEPARTED: _____

PROJECT: _____ LOAD: _____

TOTAL INVOICE: 3,065.74 ⁴³

3 filters	@ 6.00	18.00
2 coverall	2.85	5.70
2 gloves	1.75	3.50
2 batteries	2.25	4.50
gasket	6.00	<u>6.00</u>
		<u>37.70</u>

HER 02179

HERCULES
MARINE SERVICE CORP.
FREEMONT, TEXAS

FOREMAN'S DAILY TIME REPORT

STRIP AND BLEND
DRY

CLASS NO. _____

TPT - 351

NAME

DANIEL HERNANDEZ

JOE OLIVAREZ

SAM PETTIT

CLAUDIO DUARTE

LUCIO NATERA

JOSE CASAS

TONY ESCOBERO

VICTOR GONZALEZ

IGNACIO SILVA

TOTAL HOURS

SIGNED

FOREMAN

**CODED
AND
EXTENDED
BY**

APPROVED
BY

HER 02180

PLEASE FILL OUT EVERYTHING ON THIS PAGE BEFORE TURNING INTO VALERIE

T I M E S H E E T

DATE: 7-8-95

JOB NO: 47-54

BARGE NAME: TP7-351

OVERHEAD: _____

OFFSHORE: _____

TIME START: 2:00 PM.

TIME STOP: 7:30 PM.

NAME:

HOURS:

DANIEL HERNANDEZ ✓

S/T

O/T 5 1/2

JOE OLIVAREZ ✓

S/T

O/T 5 1/2

SAM PETTIT ✓

S/T

O/T 5 1/2

CLAUDIO DUARTE ✓

S/T

O/T 5 1/2

LUCIO NAJERA ✓

S/T

O/T 5 1/2

JOSE CASAS ✓

S/T

O/T 5 1/2

TONY ESCOBEDO ✓

S/T

O/T 5 1/2

VICTOR ✓

S/T

O/T 5 1/2

JOB DESCRIPTION:

Strip & Blow Dry
Used Three pair of Respirator Filter, Two Coveralls,
Two pair Rubber Gloves, Two Flashlight Batteries

HER 02181

HERCULES OFFSHORE CO.

MARINE REPAIR

MARINE OPERATIONS FACILITY

INVOICE NO. _____

ORDER No. 4754

CUSTOMER P.O. _____

DATE	ORDER WRITTEN	ETA
	ARRIVAL	
	COMPLETION DATE	
	DEPARTURE DATE	
	M/V <input type="checkbox"/> BARGE <input checked="" type="checkbox"/>	
	NAME	
	LOA	WIDTH
	FOREMAN	
	LAST PRODUCT	
	GAS FREEING YES <input type="checkbox"/> NO <input type="checkbox"/>	CERTIFICATE REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>
	HAUL OUT FOR INSPECTION AND REPAIR YES <input type="checkbox"/> NO <input type="checkbox"/>	
	ON WAYS	DATE: _____
	ON WAYS	DATE: _____

CUSTOMER	NAME
	BILLING ADDRESS
	CITY AND STATE
	PHONE NUMBER
	WORK AUTHORIZED BY
	STOCK MATERIAL <input type="checkbox"/> YES <input type="checkbox"/> NO
	IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET
	OUTSIDE SERVICES <input type="checkbox"/> YES <input type="checkbox"/> NO
	IF YES, LIST

ITEM NUMBERS

- 1 Step 4 1 hour dry
- 2 Used Three pair Respirator Filter, Two paper Coveralls,
- 3 Two pair Rubber Gloves, Two Flashlight Batteries.
- 4
- 5
- 6
- 7
- 8
- 9
- 10

THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

Signed: Claudio D. Costa Date: 7-8-85

HERCULES OFFSHORE CO.

MARINE REPAIR

MARINE OPERATIONS FACILITY

INVOICE NO. _____

ORDER No. 4754

CUSTOMER P.O. _____

DATE	ORDER WRITTEN <u>7-7-95</u>	ETA
	ARRIVAL <u>7-8-95</u>	
	COMPLETION DATE	
	DEPARTURE DATE	
H/V <input type="checkbox"/> BARGE <input checked="" type="checkbox"/> <u>TPT 351</u>		
NAME		
LOA		
WIDTH		
FOREMAN <u>Claudio Duarte</u>		
LAST PRODUCT <u>Py Gas</u>		
GAS FREEING YES <input type="checkbox"/> NO <input type="checkbox"/> CERTIFICATE REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>		
HAUL OUT FOR INSPECTION AND REPAIR YES <input type="checkbox"/> NO <input type="checkbox"/>		
ON WAYS DATE: _____		
ON WAYS DATE: _____		

CUSTOMER	NAME <u>Dixie</u>
	BILLING ADDRESS
	CITY AND STATE
	PHONE NUMBER
WORK AUTHORIZED BY	
OFF AUTHORIZED BY	
STOCK MATERIAL <input type="checkbox"/> YES <input type="checkbox"/> NO	
IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET	
OUTSIDE SERVICES <input type="checkbox"/> YES <input type="checkbox"/> NO	
IF YES, LIST	

ITEM NUMBERS

1	<u>Strip + blow dry</u>
2	
3	
4	
5	
6	
7	
8	
9	
10	

THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

Signed: _____ Date: _____

HER 02183



Strength through environmental awareness and customer service

P.O. Drawer O
Freeport, Texas 77541

Office (409) 233-6371
Fax (409) 233-6375

EQUIPMENT	HOURS USED	HOURLY RATE	TOTAL PRICE
COMPRESSOR	5	44.00	
AIR MOVERS	40	5.00	
VACUUM	4	20.00	
BOILER		80.00	
HAND HOSE	4	10.00	
BUTTERWORTH		10.00	
2" STRIP PUMP	1	12.00	
3" DIESEL PUMP		14.00	
4" ELECT PUMP		15.00	
CRANE		130.00	
CHERRY PICKER		50.00	
FORKLIFT		20.00	
TUG BOAT		80.00	
WELD MACHINE		15.00	
CUTTING RIG		8.00	
WORK BARGE		35.00	
HAUL OUT		1100.00	

DATE: 7-8-95 JOB NO: 447-54 BARGE NAME: +PT-351

HER 02184



Strength through experience, equipment, know-how
P.O. Drawer O Office: (409) 233-6371
Freeport, Texas 77541 Fax: (409) 233-6375

FINAL CHECK LIST

DATE: 7-8-85

BARGE: + PT-351

BLND NUMBER CHECKED 2 REPLACED GASKET YES NO ☒
GATE VALVE NUMBER CHECKED 6 REPLACED GASKET YES NO ☒
PLUGS NUMBER CHECKED 1 REPLACED PLUG YES NO ☒
* CHECK VALVE NUMBER CHECKED N/A REPLACED GASKET YES NO ☐
DEEPWELL BLIND NUMBER CHECKED 1 REPLACED GASKET YES ☒ NO ☐

BELOW DECK CARGO PIPELINE BLIND NUMBER 0 REPLACED GASKET YES NO ☐

BELOW DECK CARGO PIPELINE BLIND REMOVED YES N/A NO ☐

DRIP PANS VALVES: CLOSED BY SILVA

DRIP PANS COVER: CLOSED BY N/A

CONTAINMENT AREA PLUG OR VALVES: CLOSED BY N/A

AIR TEST CARGO LINE - 40psi - USING SOAP

SIGNATURE OF TESTER: [Signature]

WITNESS: [Signature]

- * CHECK VALVE GASKET WILL BE REPLACED
- * AIR TEST IS LAST THING TO BE DONE BEFORE RELEASING BARGE.

HER 02185

JOB NO. 47-54
BARGE NO. PT-351
CUSTOMER DIXIE
PRODUCT PY. GAS

ETA _____
DATE/TIME ARRIVAL _____
DATE/TIME STARTED _____
DATE/TIME COMPLETED _____

DISPOSAL AMOUNT _____ AMOUNT STRIPPED 600

CLEANING INSTRUCTION BY: _____ BY: _____

COMPLETION SCHEDULE BY: _____

OVERTIME AUTHORIZED BY: _____

BARGE INSPECTED BY: Charles Duarte DATE/TIME: _____

BARGE RELEASED TO: _____ DATE/TIME: _____

DEEPWELL OPENED: YES ☒ NO ☐ CLOSED BY LUIGI NEW CASSET YES ☒ NO ☐

BELOW DECK CARGO PIPELINE: BLIND OPEN YES ☐ NO ☒ CLOSED BY _____ NEW CASSET _____

DECK CHECK VALVE OPENED: YES N/A NO ☐ CLOSED BY _____ NEW CASSET YES ☐ NO ☐

DECK HEADER BLINDS OPEN: YES ☒ NO ☐ CLOSED BY SAM NEW CASSET YES ☐ NO ☒

DECK HEADER DRAIN PLUG OPEN: YES ☐ NO ☒ CLOSED BY _____ YES ☐ NO ☐

VAPOR RECOVERY HEADER OPENED: YES ☒ NO ☐ CLOSED BY SAM NEW CASSET YES ☐ NO ☐

RUST SCALE: YES ☒ NO ☐ WASHED OUT ☐ BUCKETED OUT ☐

NUMBER OF CARGO TANKS 3

NUMBER OF CARGO VALVES 600

PIPE TANK STRIPPED: YES N/A NO ☐ PIPE PRESSURE TEST DATE: _____

DRIE PANS STRIPPED: YES ☒ NO ☐

WEATHER: TEMP 94 RAIN ☐ FOG ☐ HUMIDITY ☐ OVERCAST ☐ CLOUDY ☐ CLEAR ☒

PIPELINE WASHED: NO PIPELINE BLOWN yes PIPELINE SUMPS INSPECTED Duarte

BOW RAKE CHECKED: YES ☒ NO ☐ STERN RAKE: YES ☒ NO ☐

VOIDS: YES ☒ NO ☐ SAFETY EQUIPMENT USED: _____

WORK SCOPE

HER 02186

HAZARDS COMMUNICATION STANDARD

OSHA 1910.1200

EMPLOYEE HAZARDOUS MATERIALS TRAINING PROGRAM

Date 7-28-95

Plant Hercules

Area Gas Free Dock
+ PT = 351

Supervisor [Signature]

Client Safety

The following listed materials are considered to be hazardous to the employees working in this area:

<u>P.Y. Gas.</u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

The employees assigned to work in this area have been informed of the hazardous materials in this area, the hazards they present to the workers, the location of hazards listed, the protective equipment that has been provided and where it is located, and procedures to be followed in case of an accidental exposure. I have received the training listed above and will so designate by signing this form.

NAME	BADGE	NAME	BADGE
<u>James A. Embel</u>	<u> </u>	<u> </u>	<u> </u>
<u>Kary Ballinger</u>	<u>007</u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u>L. Maier</u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u>James A. Casar</u>	<u>644</u>	<u> </u>	<u> </u>
<u>Paul T. O'Leary</u>	<u>60</u>	<u> </u>	<u> </u>
<u>R. S. [Signature]</u>	<u>8</u>	<u> </u>	<u> </u>

HER 02187

M A T E R I A L S A F E T Y D A T A S H E E T

The Dow Chemical Company, Midland, MI 48674 Emergency Phone: 517-636-4400

Product Code: 13497

PAGE: 1

Product Name: PYROLYSIS GASOLINE

Effective Date: 09/21/92

Date Printed: 07/28/94

MSD: 003711

1. INGREDIENTS: (% w/w, unless otherwise noted)

1,3-Butadiene	CAS# 000106-99-0	0.1-0.7%
Isopentane	CAS# 000078-78-4	0.0-1.9%
Pentene-1	CAS# 000109-67-1	0.7-1.7%
Isoprene	CAS# 000078-79-5	0.7-2.4%
Pentane	CAS# 000109-66-0	0.0-2.5%
Cis-pentene-2	CAS# 000142-29-0	0.6-1.5%
2-Methyl-butene-2	CAS# 000513-35-9	0.0-1.2%
Trans-1,3-pentadiene	CAS# 002004-70-8	0.7-1.8%
1,3-Cyclopentadiene	CAS# 000542-92-7	1.5-3.7%
Cis-1,3-pentadiene	CAS# 001574-41-0	0.4-1.2%
Benzene	CAS# 000071-43-2	28.0-52.4%
1,3-Cyclohexadiene	CAS# 000592-57-4	0.5-2.0%
Cyclohexane	CAS# 000110-82-7	0.0-0.1%
Toluene	CAS# 000108-88-3	5.5-17.4%
Ethyl-benzene	CAS# 000100-41-4	0.4-2.4%
Xylenes	CAS# 001330-20-7	0.5-2.6%
Styrene	CAS# 000100-42-5	2.3-5.3%
N-propyl-Benzene	CAS# 000103-65-1	0.0-0.4%
Methyl-ethyl-benzenes	CAS# 000611-14-3	0.1-0.6%
	000620-14-4	
	000622-96-8	
Tri-methyl-benzenes	CAS# 000526-73-8	0.1-0.7%
	000095-63-6	
	000108-67-8	
Vinyl-toluenes	CAS# 025013-15-4	0.1-1.1%
DCPD	CAS# 000077-73-6	5.8-13.1%
Indene	CAS# 000095-13-6	0.6-2.8%
CPD-MCPD Codimers		0.9-4.4%
Naphthalene	CAS# 000091-20-3	0.0-1.3%
Biphenyl	CAS# 000092-52-4	0.1-0.9%

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

(Continued on Page 2)

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HER 02188

The Dow Chemical Company, Midland, MI 48674 Emergency Phone: 517-636-4400

Product Code: 13497

PAGE: 2

Product Name: PYROLYSIS GASOLINE

Effective Date: 09/21/92

Date Printed: 07/28/94

MSD: 003711

2. PHYSICAL DATA:

BOILING POINT: 80.0-450 F, 26 -232 C

VAP. PRESS: 413.7-620.6 mmHG @ 37.8C

VAP. DENSITY: (AIR=1): >1

SOL. IN WATER: negligible

SP. GRAVITY: 0.82-0.89, 60/60F

APPEARANCE: Clear, slightly yellow to dark amber liquid

ODOR: pungent aromatic highly irritating

3. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: <-60F, (-51C)

METHOD USED: Estimated from component data.

FLAMMABLE LIMITS

LFL: 1.0 (estimated)

UFL: 12.0 (estimated)

EXTINGUISHING MEDIA: Foam, water spray.

FIRE AND EXPLOSION HAZARDS: Keep vapors away from possible ignition sources. EXTREMELY FLAMMABLE. Vapors are heavier than air and may travel long distances to a source of ignition and flash back. Use water with caution. Material is lighter than water and fire could be spread by use of water in an area where water could not be contained. But a water spray can be used to cool exposed containers. Do not extinguish due to flash back potential.

FIRE-FIGHTING EQUIPMENT: Fire-fighters should wear full-faced mask, self-contained breathing apparatus which provides eye protection. Use full Turn-out suit.

4. REACTIVITY DATA:

STABILITY: (CONDITIONS TO AVOID) Material similar to gasoline. Keep away from heat, flames, and spark-producing equipment.

(Continued on Page 3)

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HER 02189

The Dow Chemical Company, Midland, MI 48674 Emergency Phone: 517-636-4400

Product Code: 13497

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Product Name: PYROLYSIS GASOLINE

Effective Date: 09/21/92

Date Printed: 07/28/94

MSD: 003711

4. REACTIVITY DATA: (CONTINUED)

Avoid high temperatures which may cause decomposition and large pressure increases.

INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID) Oxidizing material.

HAZARDOUS DECOMPOSITION PRODUCTS: Dimers may decompose to monomers if sufficient heat is present, thus leading to an increase in vapor pressure. Combustion with insufficient air will produce carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS: Keep unnecessary people away; isolate hazard area and deny unnecessary entry. Remove all possible ignition sources. A portion of the material vaporizes rapidly. If without risk, shut off all sources of ignition and leak. If large spill, dike to prevent entry into sewers. Foam to slow vaporization rate. If small leak, absorb with absorbent material.

DISPOSAL METHOD: Recover or incinerate in properly designed furnace. Comply with federal, state and local laws and regulations. Contact The Dow Chemical Company for additional information.

6. HEALTH HAZARD DATA:

EYE: Vapors may irritate eyes. May cause moderate irritation with corneal injury. Vapors may cause lacrimation (tears).

SKIN CONTACT: Short single exposure may cause skin irritation. Prolonged or repeated exposure may cause skin burns. Repeated contact may cause drying or flaking of skin. May cause more severe response if confined to skin. The dermal LD50 has not

(Continued on Page 4)

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HER 02190

The Dow Chemical Company, Midland, MI 48674 Emergency Phone: 517-636-4400

Product Code: 13497

PAGE: 4

Product Name: PYROLYSIS GASOLINE

Effective Date: 09/21/92

Date Printed: 07/28/94

MSD: 003711

6. HEALTH HAZARD DATA: (CONTINUED)

been determined.

SKIN ABSORPTION: A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. Repeated skin exposure may result in absorption of harmful amounts.

INGESTION: Single dose oral LD50 has not been determined. Single dose oral toxicity is believed to be low. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; however, swallowing amounts larger than that may cause serious injury, even death. Ingestion may cause irritation of the mouth, throat, and gastrointestinal tract. If aspirated (Liquid enters the lung), may cause lung damage or even death due to chemical pneumonia, a condition caused by petroleum and petroleum-like solvents. If aspirated (Liquid enters the lung), may be rapidly absorbed through the lungs and result in injury to other body systems.

INHALATION: A single brief (minutes) inhalation exposure to easily attainable concentrations may cause adverse effects. A single prolonged (hours) excessive inhalation exposure may cause serious adverse effects, even death. Signs and symptoms of excessive exposure may be anesthetic or narcotic effects, central nervous system effects, may cause irritation to upper respiratory tract and lungs, and may increase sensitivity to epinephrine and increase myocardial irritability (irregular heartbeats). Alcohol consumption and exertion may increase adverse effects.

SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: Signs and symptoms of excessive exposure may be central nervous system (CNS) effects, neurologic signs and symptoms, irritation to upper respiratory tract, and may cause hemopoietic injury (damage to blood forming organs). Contains components which may cause lung, CNS, liver and kidney effects and which have caused hearing loss in laboratory animals and/or humans.

CANCER INFORMATION: Contains benzene, a carcinogen listed by IARC, NTP and OSHA. Benzene has been shown to cause cancer in laboratory animals and humans. Contains styrene, listed by IARC, and 1,3-butadiene, listed by IARC and NTP, as potential carcinogens. Contains naphthalene which has caused cancer in some laboratory animals.

(Continued on Page 5)

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HER 02191

The Dow Chemical Company, Midland, MI 48674 Emergency Phone: 517-636-4400

Product Code: 13497

PAGE: 5

Product Name: PYROLYSIS GASOLINE

Effective Date: 09/21/92

Date Printed: 07/28/94

MSD: 003711

6. HEALTH HAZARD DATA: (CONTINUED)

TERATOLOGY (BIRTH DEFECTS): Contains components which have caused toxicity to the fetus or birth defects in mice. 1,3-Butadiene was toxic to the fetus in laboratory animals at doses nontoxic to the mother.

REPRODUCTIVE EFFECTS: In animal studies, has been shown not to interfere with reproduction. (major components)

MUTAGENICITY (EFFECTS ON GENETIC MATERIAL): Contains a few components which have caused some mutagenic activity in vitro (test tube) tests and in animals. Results of isoprene in vitro ('test tube') mutagenicity tests have been negative. Isoprene has been shown to have mutagenic activity in animals.

7. FIRST AID:

EYES: Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.

SKIN: Wash off in flowing water or shower.

INGESTION: Do not induce vomiting. Call a physician and/or transport to emergency facility immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.

NOTE TO PHYSICIAN: The decision of whether to induce vomiting or not should be made by an attending physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. If burn is present, treat as any thermal burn, after decontamination. Exposure may increase "myocardial irritability." Do not administer sympathomimetic drugs unless absolutely necessary. No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

(Continued on Page 6)

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The Dow Chemical Company, Midland, MI 48674 Emergency Phone: 517-636-4400

Product Code: 13497

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Product Name: PYROLYSIS GASOLINE

Effective Date: 09/21/92

Date Printed: 07/28/94

MSD: 003711

8. HANDLING PRECAUTIONS:

EXPOSURE GUIDELINE(S): Ethylbenzene: ACGIH TLV and OSHA PEL are 100 ppm TWA; 125 ppm STEL.
Xylene: ACGIH TLV and OSHA PEL are 100 ppm TWA, 150 ppm STEL.
Vinyl toluene: ACGIH TLV is 50 ppm TWA; 100 ppm STEL. OSHA PEL is 100 ppm.
Indene: ACGIH TLV and OSHA PEL are 10 ppm.
Naphthalene: ACGIH TLV and OSHA PEL are 10 ppm TWA, 15 ppm STEL.
N-Pentane: ACGIH TLV and OSHA PEL are 600 ppm TWA, 750 ppm STEL.
Benzene: Dow ING is 10 ppm, Ceiling. ACGIH TLV is 10 ppm TWA, A2. OSHA PEL is 1 ppm TWA and 5 ppm STEL.
Toluene: ACGIH TLV is 50 ppm TWA, skin. OSHA PEL is 100 ppm TWA, 150 ppm STEL.
Styrene, monomer: ACGIH TLV and OSHA PEL are 50 ppm TWA, 100 ppm STEL.
Di-clopentadiene: ACGIH TLV and OSHA PEL are 5 ppm.
Cy-clopentadiene: ACGIH TLV and OSHA PEL are 75 ppm.
Butadiene: ACGIH TLV is 10 ppm, A2. OSHA PEL is 1000 ppm.

VENTILATION: Use only with adequate ventilation. Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

RESPIRATORY PROTECTION: Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use an approved air-purifying respirator. For emergency and other conditions where the exposure guideline may be greatly exceeded, use an approved positive-pressure self-contained self breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. In confined or poorly ventilated areas, use an approved positive-pressure supplied-air respirator.

SKIN PROTECTION: Use protective clothing impervious to this material. Selection of specific items such as gloves, boots, apron, or full-body suit will depend on operation. Remove contaminated clothing no later than the end of the work period and clean before reuse. Contaminated leather items, such as shoes, belts, and watchbands, should be removed and destroyed.

EYE PROTECTION: Use chemical goggles. If vapor exposure causes eye discomfort, use a full-face respirator.

(Continued on Page 7)

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The Dow Chemical Company, Midland, MI 48674 Emergency Phone: 517-636-4400

Product Code: 13497

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Product Name: PYROLYSIS GASOLINE

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Date Printed: 07/28/94

MSD: 003711

9. ADDITIONAL INFORMATION:

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Face shield, gloves, and organic vapor respirator advised when transferring and sampling. Have properly grounded and bonded system for all transfer and storage equipment to avoid development of a charge.

OTHER NOTES: CERCLA reportable spill quantity approximately 20lbs based on benzene spill of 10lbs.

MSDS STATUS: Revised sections 6 and 8.

For information regarding state/provincial and federal regulations see the Regulatory Information Section.

(R) Indicates a Trademark of The Dow Chemical Company

HER 02194

The Dow Chemical Company, Midland, MI 48674 Emergency Phone:517-636-4400

Product Code: 13497

Page: R-1

Product Name: PYROLYSIS GASOLINE

Effective Date: 09/21/92

Date Printed: 07/28/94

MSD: 003711

REGULATORY INFORMATION: (Not meant to be all-inclusive-- selected regulations represented.)

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See MSD Sheet for health and safety information.

U.S. REGULATIONS

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SARA 313 INFORMATION: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
BENZENE	000071-43-2	28 - 52.4 %
NAPHTHALENE	000091-20-3	< 1.3 %
ETHYL BENZENE	000100-41-4	0.4 - 2.4 %
STYRENE	000100-42-5	2.3 - 5.3 %
1,3-BUTADIENE	000106-99-0	0.1 - 0.7 %
TOLUENE	000108-88-3	5.5 - 17.4 %
XYLENE (MIXED ISOMERS)	001330-20-7	0.5 - 2.6 %

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

An immediate health hazard
A delayed health hazard
A fire hazard

(Continued on Page R-2)

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HER 02195

HERCULES
MARINE SERVICE CORP.
FREEPORT, TEXAS

FOREMAN'S DAILY TIME REPORT

[illegible]

CLASS NO. _____

[illegible]

FOREMAN

CODED
AND
EXTENDED
BY

APPROVED
BY

HER 02196

PLEASE FILL OUT EVERYTHING ON THIS PAGE BEFORE TURNING INTO VALERIE

T I M E S H E E T

DATE: 7-7-95

JOB NO: 4754

~~BOAT~~ NAME: TPT-351

OVERHEAD: _____

OFFSHORE: _____

TIME START: 7:30 ^{PM.}

TIME STOP: 9:30 ^{PM}

NAME: "

HOURS:

=====

DANIEL HERNANDEZ ✓ S/T O/T 2

IGNACIO SILVA ✓ S/T O/T 2

SAM PETTIT ✓ S/T O/T 2

JOB DESCRIPTION: 2 weld coupler on vent line for wing
Tank #3. Repair Fractured sick plate in corner of
Stem (Starboard). Pin Test Fracture for leaks in
Stem Box, No leak and result. Repair Dog lever on wrench.

HER 02197